

Work Order ID 100252

April-22-13 12:51:59 PM

100252

Page 1

Item ID: D2161-212

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Mirror Bracket, 212

Stop

NS2

Start Date: 5/28/13 Start Qty: 4.00

4

Cust Item ID:

Required Date: 5/28/13 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan: ML5Date: 13-04-24 Tooling:

Date:

Run Start

NR1

QC:

Date: _____ SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr								
D2161	Rev B2								
100		Weld per dwg A/R S.S. rod Batch: <u>m122357</u> 0.00							
100		Large Fab	<u>m126048</u>						
Large Fab		Memo	0.00						
Large Fab		1-Assemble on Jig DT8065 as per Dwg D2161							
		2-Weld as per Dwg D2161 Identify as D2161-212							

110

QC9- Inspect visual per QSI004- Fusion Welds: 0.00

110

QC

Quality Control

(4) 201 13-06-26 /DAS 09
④ 13-06-26 /DAS 09
0-89

120

QC5- Inspect part completeness to step on W/O 0.00

120

QC

Quality Control

⑥ 13-06-26 /DAS 09
0-89

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date:

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS									
				Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>							
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector						
Doc/Data															
Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio		<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled			
														<input type="checkbox"/> Other	

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Page 2

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N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Mirror Bracket, 212

Start Date: 5/28/13 Start Qty: 4.00

4

Cust Item ID:

Required Date: 5/28/13 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

Black Sandtex(Ref:4.3.5.7) per QSI005 4.3

0.00

130

Powdercoat

Powder Coating

Memo

START TIME:

8-30

0.00

FINISH TIME:

9-00

4X8M-13/06/26

140

QC3- Inspect Part Finish

0.00

140

QC

Quality Control

Memo

0.00

4-6-13/06/26

150

Identify as per dwg & Stock Location:

0.00

PPP 163200

150

Packaging

Packaging

Memo

0.00

4X

50
136-27

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date:

QA Closed: _____ Date: _____

Work Order ID 100252

100252

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Item ID: D2161-212

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Mirror Bracket, 212

Stop

NS2

Start Date: 5/28/13 Start Qty: 4.00

4

Cust Item ID:

Required Date: 5/28/13 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

160

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

13/18/13

MF
13-7-13

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____		DISPOSITION			AGAINST DEPARTMENT/PROCESS														
Part No. _____		Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
NCR No. _____		Work Order Update <input type="checkbox"/>																	
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector						
Doc/Data																			
Equip/Tooling																			
Operator																			
Material																			
Setup																			
Other																			
Process																			
Supplier																			
Training																			
Unapproved																			
FAULT CATEGORY																			
Landing Gear				General															
<input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio				<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions											
								<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge											
								<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled											
								<input type="checkbox"/> Other											

Picklist Print

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Page 1

Work Order ID: 100252

Parent Item: D2161-212

Parent Item Name: Mirror Bracket, 212

Start Date: 5/28/13

Required Date: 5/28/13

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP D02.04.15Added dwg Rev.B1 and finishNG

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2013-3 Mirror Bracket LH, 212		Manufactured	No	98914X4		100	Each	0.0000	1	1	4	me	13-06-26
D2013-4 Mirror Bracket RH, 212		Manufactured	No	97919X4		100	Each	0.0000	1	1	4	me	13-06-26
D2037-101 Arm		Manufactured	No			100	Each	4.0000	1	1	4	me	13-06-26

Location	Loc Qty	Loc Code
WA001	4	
80793	3	
95094	1	

100400 X 3
99707X1

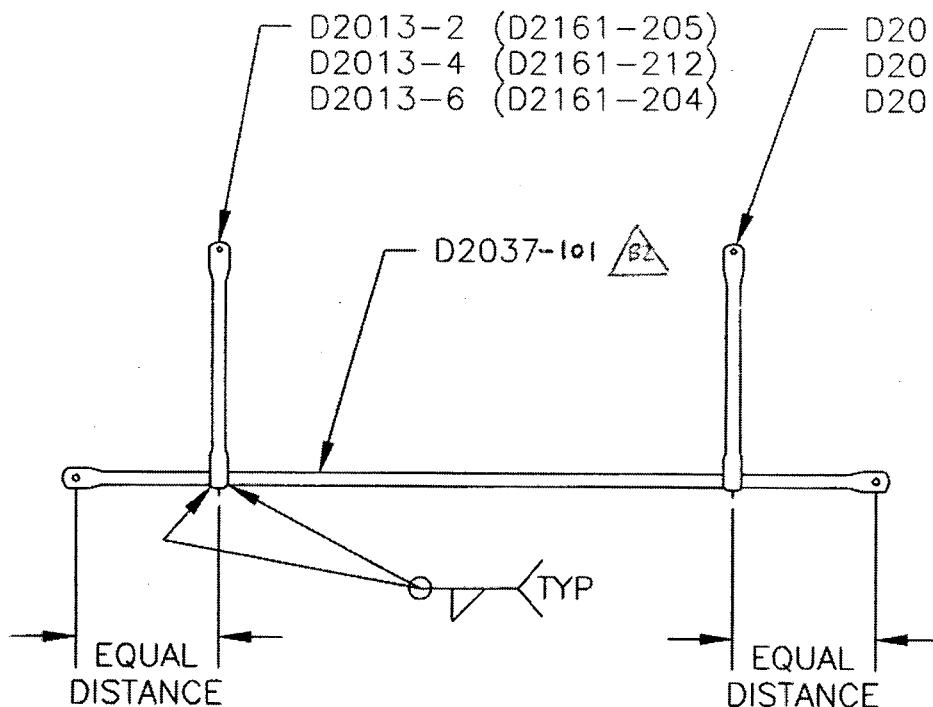
NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date:

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>		
			Work Order Update <input type="checkbox"/>			Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>		
						Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>		
						Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>			
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending	Bend	Grain	Ovalized				Pressure/Forced				
Centre Not Concentric to O/S	BOM/Route	Hardware	Over/Under tolerance				Temperature/Cure				
Cracks	Broken/Damaged	Inspection Incomplete	Part Incorrect				Weld				
Crushed/Crimped	Burrs	Instructions Incomplete/Unclear	Part Lost/Missing				Wrong Stock Pulled				
Cuffs	Contamination	Maintenance	Part Moved								
Heat Treat	Countersink	Mislabeled	Positioned Wrong								
Inspection Strip in Tube	Cut Too Short	Misread	Power Loss/Surge								
Ripples in Bend	Drill Holes	Offset	Other								
Torque Waves in Extrusion	Drawing	Out of Calibration									
Turning Sequence	Finish	Out of Sequence									
Wave/Twist in Tube	Folio	Outside Dimensions									



NOTE: WELD ASSEMBLY
USING JIG DT8065

FINISH: POWDER COAT ASSEMBLY BLACK
CRINKLE (4.3.5.3) PER DART QSI 005 4.3
POWDER COAT BLACK SANTEX (4.3.5.7) PER
DART QSI 005 4.3

D2013-2 (D2161-205)
 D2013-4 (D2161-212)
 D2013-6 (D2161-204)

D2013-1 (D2161-205)
 D2013-3 (D2161-212)
 D2013-5 (D2161-204)

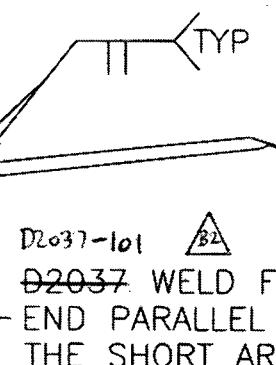
100252
13-01-24

DART

copy
date

DESIGN	DRAWN BY	DART AEROSPACE LTD
JB	R	HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO.
		D2161
DATE		SHEET 1 OF 1
99.06.07		SCALE
TITLE		NTS
MIRROR BRACKET		

PLACE SHORTER ARM
ON SIDE OF JIG DT8065
LABLED FWD (TYP)



DETAIL OF D2161-204
 DETAIL OF D2161-205
 DETAIL OF D2161-212

RELEASE